1		Hon. John C. Coughenour
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7	UNITED STATES DISTRICT COURT	
8 9	WESTERN DISTRICT OF WASHINGTON SEATTLE DIVISION	
10	AMERICAN WHITEWATER; AMERICAN	No. 2:16-cv-00047-JCC
11	RIVERS, INC.,)
12	Plaintiffs,) SECOND AMENDED AND SUPPLEMENTAL COMPLAINT
13	VS.	
14	ELECTRON HYDRO, LLC; THOM A. FISCHER;	
15	TOLLHOUSE ENERGY COMPANY,	
16	Defendants.))
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18	1. Plaintiffs American Whitewater and American Rivers, Inc. ("Plaintiffs") hereby	
19	respectfully file this second amended and supplemental complaint against Defendants Electron	
20	Hydro, LLC, Thom A. Fischer, and Tollhouse Energy Company ("Electron"), to challenge	
21	operations of the Electron Hydroelectric Project ("Project") on the Puyallup River in	
22	Washington. By maintaining, operating, and renovating the Project, Electron has unlawfully	
23	taken, and continues to unlawfully take, Chinook salmon, steelhead trout, and bull trout, all of	
24	which are listed as threatened with extinction under the Endangered Species Act ("ESA").	
25	Jurisdiction.	
26	2. This Court has jurisdiction pursuant to the citizen suit provision of the ESA, 16 U.S.C. §	
27	1540, and because this case involves a federal question. 28 U.S.C. § 1331. On August 31, 2015,	
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Plaintiffs gave Electron notice of their intent to sue under the ESA. More than 60 days have elapsed since Electron received this notice. Plaintiffs seek relief authorized by the ESA and the Declaratory Judgment Act. 16 U.S.C. § 1540; 28 U.S.C. §§ 2201-02.

- 3. Venue is proper in this Court pursuant to 16 U.S.C. § 1540(g)(3)(A) and 28 U.S.C. § 1391(e). Seattle is the appropriate division within this district for this suit. LCR 3(d). Defendant Electron Hydro, LLC, Defendant Thom A. Fischer, and Defendant Tollhouse Energy, Inc. reside in Whatcom County. Plaintiffs American Whitewater and American Rivers have offices in King County.
- 4. A present and actual controversy exists between the parties to this action.

Parties.

- 5. Plaintiff American Whitewater was founded in 1954 and is a national non-profit organization whose mission is to conserve and restore America's whitewater resources and to enhance opportunities to enjoy them safely. American Whitewater is a membership organization representing a broad diversity of individual whitewater enthusiasts, river conservationists, and more than 100 local paddling club affiliates across America. American Whitewater is a primary advocate for preserving and protecting whitewater rivers throughout the United States, and connects the interests of human-powered recreational river users with ecological and science-based data to achieve the goals within its mission.
- 6. Plaintiff American Rivers is a national conservation group that protects wild rivers, restores damaged rivers, and conserves clean water for people and nature. Since 1973, American Rivers has protected and restored more than 150,000 miles of rivers through advocacy efforts, on-the-ground projects, and establishment of the annual America's Most Endangered Rivers® campaign. In, 2020, American Rivers listed the Puyallup River among America's Most Endangered Rivers® due to the effects of the Project on native salmonids.
- 7. Plaintiffs American Whitewater and American Rivers have members and supporters who use and enjoy Chinook salmon, steelhead trout, and bull trout in the Puyallup River specifically and Puget Sound generally. These members and supporters include anglers who fish in the Puyallup River and throughout Puget Sound. These members and supporters include those who Second Amended and Supplemental Complaint, No. 2:16-cv-00047-JCC 2

1 have spiritual, dietary, aesthetic, and scientific interests in Chinook salmon, steelhead trout, and 2 bull trout in the Puyallup River and Puget Sound. 3 8. Defendant Electron Hydro, LLC is a limited liability corporation registered in the State of 4 Washington. Electron Hydro, LLC owns the Project. Electron Hydro, LLC is responsible for 5 operations of the Project. Electron Hydro, LLC is a joint venture owned by Electron 6 Management, LLC and by Electron Holdings, Inc. Electron Management, LLC is owned 7 primarily by Thom A. Fischer. 9. 8 Defendant Thom A. Fischer formed or helped form Electron Hydro, LLC. Thom A. 9 Fischer supervises, manages, or directs staff at the Project. Thom A. Fischer supervises, 10 manages, or directs operations of the Project. Thom A. Fischer has decided or directed when 11 water and fish can or cannot enter the flume. Thom A. Fischer has decided or directed when the 12 forebay at the Project is drained. Thom A. Fischer has applied for permits to perform the 13 Diversion Repair and Spillway Replacement Project. Thom A. Fischer decided or directed other 14 elements of the Project, such as components of the Diversion Repair and Spillway Replacement Project. 15 16 10. Defendant Tollhouse Energy Company is owned by Thom A. Fischer. Tollhouse Energy 17 Company is developing hydroelectric projects in the states of Washington and Montana. 18 Tollhouse Energy Company owns part of Valtec Power, LLC. Valtec Power, LLC owns Black 19 Creek Hydroelectric Project. Black Creek Hydroelectric Project is affiliated with Electron 20 Hydro, LLC. Thom A. Fischer uses or has used a Tollhouse Energy Company email for work 21 associated with the Project. Thom A. Fischer uses or had used a Tollhouse Energy Company 22 email to correspond with the Washington Department of Fish and Wildlife about obtaining a 23 Hydraulic Project Approval permit. 24 Facts. 25 11. The Puyallup River originates in glaciers along the slopes of Mount Rainier in the 26 Cascade Mountains in Washington. The Puvallup River flows approximately 65 miles to 27 Commencement Bay in Puget Sound. The Puyallup River watershed forms the third largest 28 tributary to Puget Sound. The Puyallup River watershed encompasses approximately 665,000

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acres (approximately 1000 square miles). The Puvallup River flows through lands owned by the Puyallup Tribe of Indians ("Puyallup Tribe"). Members of the Puyallup Tribe have lived in the Puyallup River basin since time immemorial. Nine native salmonid species inhabit the Puyallup River watershed. These species include 12. Chinook salmon, coho salmon, chum salmon, pink salmon, sockeye salmon, steelhead trout, bull trout, and cutthroat trout. Certain of these species are important prey for orcas in Puget Sound. 13. Historically, the Puyallup River and its tributaries supported approximately 42,000 Chinook salmon (*Oncorhynchus tshawytscha*). In 1999, the National Marine Fisheries Service ("NMFS") listed Chinook salmon in Puget Sound, including in the Puyallup River, as threatened with extinction under the ESA. In 2007, NMFS adopted a Recovery Plan for Chinook. In 2007, escapement of Chinook in the Puyallup River watershed (including early/spring returns to the White River) was estimated to be 1,300 fish. Adult Chinook salmon migrate up the Puvallup River generally from June through October. Adult Chinook salmon in the Puyallup River spawn generally in September. Adult Chinook salmon in the Puyallup River spawn upstream of the Project. Chinook salmon in the Puyallup River emerge from redds generally in February. Chinook salmon in the Puyallup River outmigrate generally in April through June. Chinook salmon are present at the Project site at least from April through October. Historically, the Puyallup River and its tributaries supported approximately 6,000 steelhead trout (Oncorhynchus mykiss). In 2007, NMFS listed steelhead trout in Puget Sound, including in the Puvallup River, as threatened with extinction under the ESA. The current steelhead population in the Puyallup River watershed is approximately 1,500 adults. Anadromous steelhead trout migrate up the Puyallup River generally in March through May. Steelhead trout in the Puyallup River spawn generally in April through June. Steelhead trout in the Puyallup River spawn upstream of the Project. Steelhead trout in the Puyallup River emerge from redds generally in June through August. Steelhead trout in the Puyallup River rear in the river generally for two years. Steelhead trout in the Puyallup River may rear in the river for up to seven years. Steelhead trout are present in the Puyallup River throughout the year. Steelhead trout migrate through parts of the Puyallup River throughout the year. Steelhead trout are present

at the Project site throughout the year. Anadromous steelhead trout in the Puyallup River 1 2 outmigrate throughout the year, with peak out-migration occurring from March to July. 3 Historically, the Puyallup River and its tributaries supported bull trout (Salvelinus 4 confluentus). In 1999, the U.S. Fish and Wildlife Service ("FWS") listed populations of bull trout 5 in the Coastal/Puget Sound region in Washington, including in the Puyallup River, as threatened 6 with extinction under the ESA. In the Coastal/Puget Sound region, the Puyallup River is one of 7 eight "core areas" for bull trout. Bull trout populations the Puyallup River include anadromous, 8 fluvial, and resident populations. Bull trout in the Puyallup River are the southernmost, 9 anadromous bull trout population in the Coastal Recovery Unit. Maintaining the bull trout 10 population in the Puyallup is critical to maintaining the overall distribution of migratory bull 11 trout in the Recovery Unit. 12 16. Bull trout are present at the Project site throughout the year. The Project site provides 13 foraging, migration, and overwintering habitat for bull trout. Bull trout in the Puyallup River spawn generally in mid-September to early October. Bull trout in the Puyallup River spawn in 14 15 reaches of the river upstream of the Project. Bull trout in the Puyallup River emerge from redds 16 generally in March through April. In 2004, the Service issued a draft Recovery Plan for the 17 Coastal/Puget Sound bull trout. The abundance target for bull trout in the Puyallup River is 1,000 18 adults. Currently, fewer than 100 adult bull trout spawn annually in the upper Puyallup River and 19 its tributaries. 20 17. The Project is located on the Puyallup River in the foothills of Mount Rainier, about 42 21 miles southeast of Seattle, in Pierce County. Puget Sound Power & Light Company began 22 building the Project in 1902 and finished it in 1904. On November 14, 2014, Puget Sound 23 Energy sold the Project to Electron Hydro, LLC. 24 18. The Project includes a headworks facility at river mile 41.7. The purpose of the 25 headworks facility is to divert water from the Puyallup River into a flume that carries water 26 downslope into a powerhouse to generate electricity. Historically, the headworks facility 27 included a timber crib diversion structure that was approximately 200 feet long and spanned the 28 river. The diversion structure slows water for diversion. The diversion structure stores water for

diversion. The diversion structure creates a pool. The amount of water slowed, stored, or pooled amounts to approximately 8 acre-feet of water.

- 19. The headworks facility includes an intake immediately upstream of the diversion structure. The intake exists in the river in the water slowed behind the diversion structure. The intake exists in the river in the water stored behind the diversion structure. The intake exists in the river pooled behind the diversion structure. The intake includes an intake window that is a 52-feet wide and five-feet deep opening within a concrete riverbank wall. The intake window includes a sluice gate. The sluice gate can be opened or shut. When the sluice gate is open, river water flows through the intake window into a water gallery. The water gallery is a confined water delivery channel from the intake window to a Tainter gate. The Tainter gate is at the downstream end of the water gallery at the head of a flume. The Tainter gate can be opened or shut. When the Tainter gate is open, water in the water gallery flows into a flume.
- 20. The Project includes a flume to transport water downslope from the water gallery into a powerhouse. The flume is approximately 10.1 miles long. After water enters the flume, it passes over rock chutes. The rock chutes are designed to divert or flush out of the flume bedload such as rocks and cobbles. Flows from the rock chutes return to the river. Flows from the rock chutes attract Chinook salmon. Flows from the rock chutes attract steelhead trout. Flows from the rock chutes attract bull trout. Flows from the rock chutes impede migration of fish.
- 21. After passing over the area of the rock chutes, water in the flume flows to a settling basin. The settling basin is approximately 1,600 feet-long. The purpose of the settling basin is to have sediment in the water settle for removal. No gates or other devices on the flume at the entrance to or from the settling basin prevent water from continuing downslope. Periodically, Electron ceases to divert water to clean the settling basin. To cease to divert water, Electron closes the sluice gate in the intake window. To cease to divert water, Electron closes the Tainter gate in the water gallery. To clean the settling basin, Electron dredges the settling basin with excavators and pushes the sediment onto the slope down towards the river with a bulldozer.
- 22. Water exiting the settling basin flows into a forebay above the powerhouse. The forebay is approximately 20 acres in size. Water from the forebay flows into four penstocks, and then Second Amended and Supplemental Complaint, No. 2:16-cv-00047-JCC

the forebay. Chinook salmon are periodically present in the forebay. Steelhead trout are periodically present in the forebay. Bull trout are periodically present in the forebay. Cutthroat trout are periodically present in the forebay. Coho salmon are periodically present in the forebay. Fish may be present in the forebay for significant periods of time. Bull trout in the forebay prey on Chinook salmon. Bull trout in the forebay prey on steelhead trout. Steelhead trout in the forebay prey on bull trout. Cutthroat trout in the forebay prey on Chinook salmon. Cutthroat trout in the forebay prey on steelhead trout. Cutthroat trout in the forebay prey on bull trout.

26. Periodically, Electron attempts to collect fish in the forebay in order to release them downstream. The collection or transfer facilities do not capture or collect all Chinook salmon. The collection or transfer facilities do not capture or collect all steelhead trout. The collection or transfer facilities do not capture or collect all steelhead trout. The collection or transfer facilities do not capture or collect all trout pass through the trash rack and are entrained in the penstocks or turbines. Bull trout pass through the trash rack and are

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entrained in the penstocks or turbines.

- 27. Some Chinook salmon are harmed or die when captured or collected in the forebay. Some Chinook salmon are harmed or die when the barrier net is maintained. Some steelhead trout are harmed or die when captured or collected in the forebay. Some steelhead trout are harmed or die when the barrier net is maintained. Some bull trout are harmed or die when captured or collected in the forebay. Some bull trout are harmed or die when the barrier net is maintained.
- 28. Periodically, Electron ceases to divert water in order to dewater the forebay. Electron dewaters the forebay to remove sediment and debris from the bed of the forebay. Electron dewaters the forebay to remove debris from the debris racks at the entrance to the penstocks. To dewater the forebay, Electron closes the sluice gate in the intake window. To dewater the forebay, Electron closes the Tainter gate in the water gallery.
- 29. Before Electron dewaters the forebay, it attempts to capture or collect Chinook salmon from the forebay. Before Electron dewaters the forebay, it attempts to capture or collect steelhead trout from the forebay. Before Electron dewaters the forebay, it attempts to capture or collect bull trout from the forebay. Some Chinook salmon are harmed or die when they are captured or collected. Some steelhead trout are harmed or die when they are captured or collected. Some bull trout are harmed or die when they are captured or collected.
- 30. The mean annual flow of the Puyallup River at the headworks facility is 527 cubic feet per second ("cfs"). The Project diverts up to 400 cfs. Diverting water decreases flows downstream in a 10.5-mile section of the Puyallup River. This section of the river is called the "bypass reach" or "middle reach." The diversion of water decreases flows in the bypass reach in varying amounts. In the summer, the diversion of water decreases flows in the bypass reach by up to 50%. In the late fall and winter, the diversion of water decreases flows in the bypass reach up to 70%. In spring and early fall, the diversion of water decreases flows in the bypass reach up to 90%. In the summer, water temperatures in the bypass reach increase 3.8 degrees Fahrenheit. Minimum flows in the bypass reach are 80 cfs from July 15 to November 15, and 60 cfs the rest of the year. The diversion of water reduces available habitat for bull trout in the Puyallup River.

- 31. In 1997, Puget Sound Energy and the Puyallup Tribe entered into a Resource Enhancement Agreement.
 - 32. Approximately 26 miles of fish habitat exists in the mainstem Puyallup River upstream of the headworks facility. Approximately ten miles of fish habitat exists in tributaries to the Puyallup River upstream of the headworks facility.
 - 33. When the headworks facility was built, it did not include facilities that would allow Chinook salmon to migrate above it. When the headworks facility was built, it did not include facilities that would allow steelhead trout to migrate above it. When the headworks facility was built, it did not include facilities that would allow bull trout to migrate above it.
 - 34. In 2000, Puget Sound Energy built a fish ladder on the right (east) side of the river opposite of the intake. The thalweg of the river is on the left (west) side of the river. The ladder can function as both a pool/weir system and a roughened channel. To function properly, the ladder must remain connected to the river channel above and below the headworks facility. To function properly, flows through the ladder must range between 10 and 52 cfs. This range of flows through the ladder corresponds to river flows ranging from 160 to 1,100 cfs. To function properly, flows through the ladder must enable fish to stage before entering the ladder, and allow fish to jump into the ladder.
 - 35. The fish ladder enabled upstream fish passage at the headworks facility for the first time since the headworks facility was built. Chinook salmon use the ladder and migrate upstream of the headworks facility, and spawn upstream. Steelhead trout use the ladder and migrate upstream of the headworks facility, and spawn upstream. Bull trout use the ladder and migrate upstream of the headworks facility, and spawn upstream.
 - 36. Electron has sought to renovate the Project. In a phase 1, Electron proposed to repair the wooden crib diversion structure and replace the then-existing spillway. Electron proposed to replace the spillway with a 70-feet wide rubber bladder spillway that could be inflated and deflated to enable Electron to pass sediment loads and better control flows into the intake. In phase 1, Electron proposed to install approximately 985 feet of bank protection along the left

1 (west) bank. In phase 1, Electron proposed to place concrete of varying depth in front of the 2 intake structure to allow for installation of a trash rack and other facilities. 3 37. The U.S. Army Corps of Engineers authorized certain aspects of Electron's proposed 4 work. Pierce County authorized certain aspects of Electron's proposed work. 5 38. In 2020, Electron began some proposed work. Electron built a coffer dam and diverted 6 the Puyallup River. Electron lined the diversion channel with approximately 2,400 square yards 7 of artificial turf. Some of the artificial turf tore. Some of the artificial turf was released into the 8 Puyallup River. Approximately six cubic yards of rubber pellets from the artificial turf were 9 released or deposited into the Puyallup River. Amounts of the rubber pellets remain in the 10 Puyallup River. The amounts of rubber pellets are toxic to fish or other aquatic life in the 11 Puyallup River. 12 39. In 2020, Electron placed concrete on the left (west) bank of the river upstream of the 13 headworks facility. Electron placed concrete on the left (west) bank of the river downstream of 14 the headworks facility. Electron placed concrete near the intake to build a trash rack. 15 40. In 2020, Electron removed the spillway portion of the wooden diversion structure. In 16 2020, Electron did not replace the removed portion with a rubber bladder spillway. In 2020, 17 Electron built a rock structure where the removed portion had existed. The rock structure does or 18 will entrain downstream migrating adult fish. The rock structure does or will entrain downstream 19 migrating smolts. The rock structure does or will create attraction flows and impede upstream 20 migration of fish. The rock structure does or will prevent upstream migration of fish. 21 41. In 2020, Electron's work at the headworks facility site rendered the fish ladder 22 impassable to Chinook salmon for months. In 2020, Electron's work at the headworks facility 23 site rendered the fish ladder impassable to steelhead trout for months. In 2020, Electron's work 24 at the headworks facility site rendered the fish ladder impassable to bull trout for months. 25 Because the fish ladder was rendered impassable for a period of time, most of the run of adult 26 Chinook salmon to spawning areas above the headworks facility in 2020 was lost. 27 42. On July 29, 2020, Electron dewatered the forebay. A fish biologist for the Washington

Department of Fish and Wildlife was present when the forebay was dewatered. The biologist

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	issued a report of what she witnessed. The biologist estimated "thousands" of fish were killed
	during dewatering, handling or transport. Chinook salmon were killed during the forebay
	dewatering, handling, or transport. Steelhead trout were killed during the forebay dewatering,
	handling, or transport. Bull trout were killed during the forebay dewatering, handling, or
	transport.
	43. Electron does not possess a federal permit or other federal authorization[s] that authorizes
	it to "take" Chinook salmon in maintaining or operating the Project. Electron does not possess a
	federal permit or other federal authorization[s] that authorizes it to "take" steelhead trout in
	maintaining or operating the Project. Electron does not possess a federal permit or other federal
	authorization[s] that authorizes it to "take" bull trout in maintaining or operating the Project.
	Claim for Relief.
	Count One: Violation of the Endangered Species Act.
	44. Plaintiffs reallege all previous paragraphs.
	45. Section 9 of the ESA prohibits any person from taking an endangered species. 16 U.S.C.
	§ 1538(a)(1)(B). NMFS extended the take prohibition to Chinook salmon and steelhead trout as
	species listed as threatened with extinction. 50 C.F.R. § 223.203(a). FWS extended the take
	prohibition to bull trout as a species listed as threatened with extinction. 50 C.F.R. § 17.31(a).
	The ESA defines "take" to mean "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture,
	or collect, or to attempt to engage in any such conduct." 16 U.S.C. § 1532(19). Each of these
	verbs has independent meaning. The ESA defines a "person" to include "an individual,
	corporation, partnership, trust association, or any other private entity " 16 U.S.C. §
	1532(13). Electron has violated, is violating, and will continue to violate Section 9 of the ESA,
	by causing or committing "take" of Chinook salmon, steelhead trout, and bull trout, through its
	ownership, maintenance, operation, and renovation of the Project.
	46. The ESA defines "take" to mean "to harass, harm, pursue, hunt, shoot, wound, kill, trap,
	capture, or collect, or to attempt to engage in any such conduct." 16 U.S.C. § 1532(19). Each of
	these verbs has independent meaning. "Harass" means "an intentional or negligent act or
	omission which creates the likelihood of injury to wildlife by annoying it to such an extent as to

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significantly disrupt normal behavioral patterns which include, but are not limited to, breeding, feeding, or sheltering." 50 C.F.R. § 17.3. "Harm" means "an act which actually kills or injures wildlife. Such act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering." 50 C.F.R. § 17.3. When Electron lined the Puyallup River with artificial turf, and pellets were released into the river, Electron harmed and harassed Chinook salmon and steelhead and bull trout. Relief Requested. 1. Declare that Electron has violated the ESA as alleged herein; 2. Order Electron to cease diverting water and fish from the Puyallup River in the period before it obtains incidental take permits from NMFS and from FWS; 3. Order Electron to obviate take of fish caused by the rock structure and the fish ladder, when the latter is not properly operated or is rendered inoperable; 4. Award Plaintiffs their reasonable attorneys' fees and costs under the ESA; 5. Grant such other relief as the Court deems necessary and proper. Date: November 6, 2020. Respectfully submitted, /s/ Peter M. K. Frost Peter M. K. Frost, pro hac vice Western Environmental Law Center 120 Shelton McMurphey Blvd., Suite 340 Eugene, Oregon 97401 541-359-3238 frost@westernlaw.org /s/ Andrew M. Hawley Andrew M. Hawley, WSB #53052 Western Environmental Law Center 1402 3rd Ave., Suite 1022 Seattle, Washington 98101 206-487-7250 hawley@westernlaw.org Attorneys for Plaintiffs